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## (54) COOLING STRUCTURE FOR GAS TURBINE BLADE

deformational problem can be solved.

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### (57) Abstract:

**PROBLEM TO BE SOLVED:** To hardly generate the cracking of a blade wall, enhance the soundness of a blade, and extent the life of the blade, by arranging in a gas turbine blade wall, a slit which is communicated with a cavity inside the blade, formed slantingly against a blade surface, and extended in the height direction of the blade.

**SOLUTION:** A gas turbine stator blade comprises a blade part 1 and a shroud 2. A slit 3 is arranged over the whole height of the blade in the blade part 1. The wake side of the stator blade is cooled by flowing cooling air and so on through the slit 3. A cavity for flowing the cooling air and so on is arranged inside the blade, and this cavity is partitioned by a rib 4. The rib 4 is arranged in the vicinity of the slit 3, so that blade walls in front and rear of the slit 3 may not be deformed. As to a blade wall part 8 on a rear edge side further from the slit 3, a rib 4' is arranged just behind the slit 3, and the length of the blade wall part 8 is shortened. Hereby, a

